

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/535,312
Source: IFWP
Date Processed by STIC: 8/8/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/535,312

TIME: 09:13:47

Input Set : F:\404uspc.app.txt

Output Set: N:\CRF4\08082006\J535312.raw

1 <110> APPLICANT: Jung, Sung Youb
 2 Kim, Jin Sun
 3 Park, Young Jin
 4 Choi, Ki-Doo
 5 Kwon, Se Chang
 6 Lee, Gwan Sun
 8 <120> TITLE OF INVENTION: METHOD FOR THE MASS PRODUCTION OF IMMUNOGLOBULIN CONSTANT
 REGION
 10 <130> FILE REFERENCE: 430156.404USPC
 12 <140> CURRENT APPLICATION NUMBER: US 10/535,312
 C--> 13 <141> CURRENT FILING DATE: 2005-05-17
 15 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/002943
 16 <151> PRIOR FILING DATE: 2004-11-13
 18 <150> PRIOR APPLICATION NUMBER: KR10-2003-0080299
 19 <151> PRIOR FILING DATE: 2003-11-13
 21 <160> NUMBER OF SEQ ID NOS: 49
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 26 <211> LENGTH: 37
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: primer
 34 <400> SEQUENCE: 1
 35 cccaagcttg cctccaccaa gggcccatcg gtcttcc 37
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 33
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: primer
 47 <400> SEQUENCE: 2
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 52 <211> LENGTH: 35
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial Sequence
 56 <220> FEATURE:
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 60 <400> SEQUENCE: 3
 61 cccaagcttg acatccagtt gacccagtct ccatac 35
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 36
 66 <212> TYPE: DNA

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67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer
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82 <400> SEQUENCE: 5
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85 ggcacagcgg ccctgggctg cctgggtcaag gactacttcc ccgaaccggg gacgggtgtcg 120
87 tggaactcag gcgccctgac cagcggcgtg cacaccttcc cggctgtcct acagtctctca 180
89 ggactctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg caccagacc 240
91 tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagaa agttgagccc 300
93 aaatcttgtg aaaaaactca cacatgcccc ccgtgcccag cactgaact cctgggggga 360
95 ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
97 gaggtcacat gcgtgggtgg ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
99 tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac 540
101 agcacgtacc gtgtgggtcag cgtcctcacc gtctctgacc aggactggct gaatggcaag 600
103 gagtacaagt gcaaggctct caacaaagcc ctcccagccc ccacgcagaa aaccatctcc 660
105 aaagccaaag ggcagcccg agagccacag gtgtacaccc tgccccatc ccgggatgag 720
107 ctgaccaaga accaggtcag cctgacctgc ctgggtcaaag gcttctatcc cagcgacatc 780
109 gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 840
111 ctggactccg acggctcctt cttcctctac agcaagctca ccgtggacaa gagcaggtgg 900
113 cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacag 960
115 cagaagagcc tctccctgtc tccgggtaaa 990
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126 ggaactgcct ctgttgtgtg cctgctgaat aacttctatc ccagagaggc caaagtacag 120
128 tggaagggtg ataacgccct ccaatcgggt aactcccagg agagtgtcac agagcaggac 180
130 agcaaggaca gcacctacag cctcagcagc accctgacgc tgagcaaagc agactacgag 240
132 aaacacaaag tctacgctg cgaagtcacc catcagggcc tgagctcgcc cgtcacaaag 300
134 agcttcaaca ggggagagtg ttag 324
137 <210> SEQ ID NO: 7
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140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: primer
146 <400> SEQUENCE: 7
147 cggcctccac caagggccca tcggtcttcc 30
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 33
152 <212> TYPE: DNA

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164 <211> LENGTH: 33
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: primer
172 <400> SEQUENCE: 9
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177 <211> LENGTH: 35
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: primer
185 <400> SEQUENCE: 10
186 cgtcatgccc agcacctgag ttctctggggg gacca 35
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 26
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: primer
198 <400> SEQUENCE: 11
199 cggcacctga actctctgggg ggaccg 26
202 <210> SEQ ID NO: 12
203 <211> LENGTH: 69
204 <212> TYPE: DNA
205 <213> ORGANISM: Escherichia coli
207 <400> SEQUENCE: 12
208 atgaaaaaga caatcgcat ttttcttgca tctatgttcg tttttctat tgctacaaat 60
210 gcccaggcg 69
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214 <211> LENGTH: 45
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216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
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222 <400> SEQUENCE: 13
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226 <210> SEQ ID NO: 14
227 <211> LENGTH: 45
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:

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232 <223> OTHER INFORMATION: primer
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236 agataacgat gtttacgggt ccggaagggg tggttaagggg atagg 45
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240 <211> LENGTH: 984
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 15
245 gcttccacca agggcccac cgtcttcccc ctggcgccct gctccaggag cacctccgag 60
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249 tggaaactcag gcgccttgac cagcggcggtg cacaccttcc cggtgttctt acagtctctca 180
251 ggactctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg cacgaagacc 240
253 tacacctgca acgtagatca caagcccagc aacaccaagg tggacaagag agttgagtcc 300
255 aaatatggtc ccccatgccc atcatgccc gcacctgagt tcttgggggg accatcagtc 360
257 ttctgtttcc ccccaaaacc caaggacact ctcatgatct cccggacccc tgaggtcacg 420
259 tgcgtggttg tggacgtgag ccaggaagac cccgaggtcc agttcaactg gtacgtggat 480
261 ggcgtggagg tgcataatgc caagacaaag ccgcgggagg agcagttcaa cagcacgtac 540
263 cgtgtggtca gcgtcctcac cgtcctgcac caggactggc tgaacggcaa ggagtacaag 600
265 tgcaaggtct ccaacaaagg cctcccgtcc tccatcgaga aaaccatctc caaagccaaa 660
267 gggcagcccc gagagccaca ggtgtacacc ctgcccccat cccaggagga gatgaccaag 720
269 aaccaggtca gcctgacctg cctgggtcaaa ggcttctacc ccagcgacat cgccgtggag 780
271 tgggagagca atgggcagcc ggagaacaac tacaagacca cgctcccggt gctggactcc 840
273 gacggctcct tcttctctca cagcaggcta accgtggaca agagcagggt gcaggagggg 900
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277 ctctccctgt ctctgggtaa atga 984
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281 <211> LENGTH: 35
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283 <213> ORGANISM: Artificial Sequence
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298 <220> FEATURE:
299 <223> OTHER INFORMATION: primer
302 <400> SEQUENCE: 17
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306 <210> SEQ ID NO: 18
307 <211> LENGTH: 29
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: primer
315 <400> SEQUENCE: 18
316 cggcacctga gttcctgggg ggaccatca 29

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321 <212> TYPE: DNA
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325 <223> OTHER INFORMATION: primer
328 <400> SEQUENCE: 19
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332 <210> SEQ ID NO: 20
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334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
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338 <223> OTHER INFORMATION: primer
341 <400> SEQUENCE: 20
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345 <210> SEQ ID NO: 21
346 <211> LENGTH: 220
347 <212> TYPE: PRT
348 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 21
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352 1 5 10 15
354 Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
355 20 25 30
357 Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
358 35 40 45
360 Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
361 50 55 60
363 Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
364 65 70 75 80
366 Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
367 85 90 95
369 Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
370 100 105 110
372 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
373 115 120 125
375 Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
376 130 135 140
378 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
379 145 150 155 160
381 Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
382 165 170 175
384 Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
385 180 185 190
387 Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
388 195 200 205
390 Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
391 210 215 220

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/535,312

DATE: 08/08/2006

TIME: 09:13:48

Input Set : F:\404uspc.app.txt

Output Set: N:\CRF4\08082006\J535312.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date